

UNIVERSAL DISPENSING SYSTEM FOR AIR ASSISTED EXTRUSION OF LIQUID FILAMENTS

Abstract

A system for dispensing liquid material with different configurations of air assisted fiberization or filament movement (e.g., meltblowing, controlled fiberization). In particular, front access for mounting a selected nozzle only requires adjustment of one lever and one fastener. Features of the lever and nozzle allow assisted ejection of the nozzle, even when the nozzle has become adhered to a die body through use. In addition, a nozzle mounting surface of the die body provides a universal interface to the various types of nozzles. An air cavity in the die body and air troughs in selected types of nozzles balance and adjust air flow.